

Executive Summary Report

SMOG CHECK Statewide

August 2007

1. Testing Volume

	Total	Failed	Percent (%) Fail
Initial Test	834,241	105,961	12.70%
Total	969,551	137,034	14.13%

2. Certification Volume

	Cert. Issued	Percent (%) Cert. Issued	No Cert.	Percent (%) No Cert.
Initial Test	714,714	85.67%	119,527	14.33%
Total	812,699	83.82%	156,852	16.18%

2a. Certification Volume (Test Only)

	Cert. Issued	Percent (%) Cert. Issued	No Cert.	Percent (%) No Cert.
Initial Test	424,864	85.39%	72,689	14.61%
Total	486,687	84.33%	90,468	15.67%

3. Initial Test Failures by Failure Type

	Failed	Percent (%) Fail
Gross Polluters	19,332	2.32%
All Emissions	61,585	7.38%
All Visual	11,936	1.43%
All Functional	31,795	3.81%
OBDII	31,427	3.77%
Overall	105,961	12.70%

4. Initial Test Failures by Program Area

Program Areas	Initial Tests	Failed	Percent (%) Failed	G.P.	Percent (%) G.P.
Enhanced	659,798	85,529	12.96%	15,258	2.31%
Partially Enhanced	39,530	5,683	14.38%	1,033	2.61%
Basic	77,818	8,864	11.39%	1,965	2.53%
Change of Ownership	6,321	877	13.87%	257	4.07%
No Program	4	0	0.00%	0	0.00%
Unknown Program	50,770	5,008	9.86%	819	1.61%
Total Program Area	834,241	105,961	12.70%	19,332	2.32%

5. Initial Test Failures by Station Type

Station Types	All Tests Performed	Failed	Percent (%) Failed	G.P.	Percent (%) G.P.
Test Only	497,553	71,014	14.27%	13,764	2.77%
Regular	284,009	27,657	9.74%	4,237	1.49%
Basic Area Dealer	5,257	275	5.23%	39	0.74%
Gold Shield in Enhanced Area	30,547	4,134	13.53%	639	2.09%
Gold Shield in Basic Area	8,655	1,329	15.36%	308	3.56%
Gold Shield in COO Area	4,705	622	13.22%	171	3.63%
Business Fleet	16	0	0.00%	0	0.00%
Permanent Fleet Registered	61	6	9.84%	1	1.64%
Referee	1,351	705	52.18%	154	11.40%
Government Fleet	2,087	219	10.49%	19	0.91%
Total	834,241	105,961	12.70%	19,332	2.32%

5.a. Initial Tests at Test-Only Stations

	Initial Tests	Cert. Issued
Volunteers	242,103	214,960
Directed Vehicles	255,450	209,904
Total	497,553	424,864

5.b. Initial Tests at Gold Shield Stations

	Initial Tests	Cert. Issued
Volunteers	42,464	36,351
Directed Vehicles	1,443	889
Total	43,907	37,240

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6. Initial Tests by Vehicle Model Year

Model Year	Initial Test	Failed Overall	Percent (%) Fail Overall	Percent (%) Fail Emiss.	Percent (%) Fail G.P.	Percent (%) Fail Funct.	Percent (%) Fail Visual	Percent (%) Fail OBDII
1966	1	1	100.00%	100.00%	0.00%	0.00%	0.00%	0.00%
1967	2	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
1972	1	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
1974	2	1	50.00%	50.00%	0.00%	50.00%	50.00%	0.00%
1975	15	4	26.67%	20.00%	13.33%	13.33%	6.67%	0.00%
1976	1,685	504	29.91%	22.67%	10.92%	16.44%	9.20%	0.00%
1977	2,331	644	27.63%	20.76%	10.51%	14.07%	7.38%	0.00%
1978	2,611	730	27.96%	22.41%	11.15%	13.86%	7.77%	0.00%
1979	2,901	888	30.61%	24.65%	12.58%	15.24%	9.24%	0.00%
1980	1,786	538	30.12%	24.58%	12.71%	14.67%	8.45%	0.00%
1981	2,068	601	29.06%	24.47%	11.32%	14.26%	8.70%	0.00%
1982	2,397	706	29.45%	24.86%	12.43%	14.98%	7.51%	0.00%
1983	3,577	1,086	30.36%	25.41%	12.19%	15.01%	7.80%	0.00%
1984	6,197	1,948	31.43%	26.22%	13.23%	15.89%	7.21%	0.00%
1985	8,631	2,585	29.95%	25.01%	12.08%	14.69%	6.37%	0.00%
1986	13,203	3,370	25.52%	20.54%	9.15%	12.62%	4.93%	0.00%
1987	14,667	3,996	27.24%	22.74%	9.50%	12.36%	4.42%	0.00%
1988	17,987	4,396	24.44%	19.98%	7.74%	11.74%	3.69%	0.00%
1989	23,834	5,138	21.56%	17.07%	6.14%	10.37%	3.10%	0.00%
1990	27,193	5,425	19.95%	15.89%	5.62%	9.36%	2.54%	0.00%
1991	30,920	5,572	18.02%	14.23%	4.70%	8.19%	2.08%	0.00%
1992	30,319	5,135	16.94%	13.36%	4.27%	7.21%	1.95%	0.00%
1993	37,930	6,838	18.03%	14.78%	3.47%	6.85%	1.72%	0.00%
1994	38,386	5,940	15.47%	12.13%	2.68%	5.99%	1.74%	0.00%
1995	60,996	7,256	11.90%	8.76%	1.78%	4.57%	1.30%	0.00%
1996	38,449	6,807	17.70%	7.30%	1.28%	1.63%	1.15%	11.77%
1997	73,098	8,884	12.15%	4.35%	0.76%	1.14%	0.77%	8.21%
1998	49,229	5,607	11.39%	3.55%	0.60%	0.94%	0.71%	8.15%
1999	92,717	6,622	7.14%	1.65%	0.31%	0.53%	0.45%	5.30%
2000	40,848	3,307	8.10%	1.44%	0.32%	0.69%	0.48%	6.36%
2001	139,154	8,703	6.25%	0.65%	0.14%	0.55%	0.31%	5.27%
2002	20,710	1,021	4.93%	0.71%	0.14%	0.39%	0.36%	3.72%
2003	22,550	755	3.35%	0.44%	0.15%	0.26%	0.13%	2.55%
2004	9,224	345	3.74%	0.24%	0.07%	0.23%	0.29%	2.72%
2005	6,968	270	3.87%	0.60%	0.06%	0.22%	0.57%	2.68%
2006	6,481	205	3.16%	0.20%	0.03%	0.29%	0.26%	2.47%
2007	5,015	131	2.61%	0.36%	0.10%	0.20%	0.38%	2.05%
2008	158	2	1.27%	0.00%	0.00%	0.00%	0.00%	1.27%
Total Model Year	834,241	105,961	12.70%	7.38%	2.32%	3.81%	1.43%	3.77%

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7. Referee Activity

	Certificates Issued
Certificate of Compliance	1,130
Certificate of Non Compliance	2
Parts Cost	165
Hardship Extensions	250
Exempt Vehicle	65
Exempted by Directive	181
Parts Exemption	3
Unknown Outcome	0
	1,796

8. Active Stations

	Station Count
Licensed Stations that did not Conduct a Test	1,309
Stations Locked-Out at Least Once	144
Stations Conducted at Least One Test	7,684

9. Active Technicians

		Technician Count	Daily Average
EA	Both Endorsement	10,541	6,049
EA	Gas Endorsement	15	0
EB	Both Endorsement	58	0
EB	Gas Endorsement	556	0
GU	Both Endorsement	20	0

10. Inspections Costs

	ASM Initial Test Count	Avg ASM Inspection Cost	TSI Initial Test Count	Avg TSI Inspection Cost	Total Initial Tests	Overall Average Inspection Cost
Test Only	443,810	48.20	45,922	48.66	489,732	48.24
Test and Repair	192,451	46.49	87,406	44.24	279,857	45.79
Test and Repair Dealer	14	77.71	5,228	47.50	5,242	47.58
Referee						
Gold Shield in Enhanced Area	22,711	46.64	7,828	42.01	30,539	45.46
Gold Shield in Basic Area	63	64.71	8,592	34.13	8,655	34.35
Gold Shield in COO Area	56	52.04	4,686	49.18	4,742	49.21

11. Repair Costs

	All Cost Ranges	Repair Count	Average Cost	(All Cost Ranges) Repair Count	(All Cost Ranges) Average Cost
Regular Repairs	\$0-50	7,391	22.14	24,594	211.78
	\$51-150	6,225	101.13		
	\$151-250	4,006	199.22		
	\$251-450	4,218	335.16		
	Over \$450	2,754	800.15		
Cap Repairs	\$0-50	184	25.61	3,444	335.68
	\$51-150	360	105.21		
	\$151-250	558	201.83		
	\$251-450	1,299	346.80		
	Over \$450	1,043	527.69		
Total Repairs	\$0-50	6,630	22.40	25,478	249.81
	\$51-150	5,337	101.35		
	\$151-250	4,204	199.79		
	\$251-450	5,261	338.94		
	Over \$450	4,046	754.36		

12. CAP Repair Costs

	Total Vehicles	Average Repair Cost
Cap Repairs	3,444	335.68

13. Drill-Through

	Program Areas	Station Types	Certificates Issued	Total Failed	Gross Polluters	Tampered	All OBD-II Tests	All Emission Tests	All Functional Tests	All Visual Tests
Acceleration Simulation Mode (ASM)	Basic	Gold Shield in Enhanced Area	6	3	0	0	1	2	1	0

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	Program Areas	Station Types	Certificates Issued	Total Failed	Gross Polluters	Tampered	All OBD-II Tests	All Emission Tests	All Functional Tests	All Visual Tests
Acceleration Simulation Mode (ASM)	Basic	Referee	2	4	1	1	1	2	0	1
Acceleration Simulation Mode (ASM)	Basic	Test and Repair	70	16	4	0	5	11	5	3
Acceleration Simulation Mode (ASM)	Basic	Test Only	57	9	0	0	4	7	0	0
Acceleration Simulation Mode (ASM)	Change of Ownership	Referee	0	2	2	0	0	2	1	1
Acceleration Simulation Mode (ASM)	Change of Ownership	Test and Repair	2	2	0	0	0	1	1	0
Acceleration Simulation Mode (ASM)	Change of Ownership	Test Only	9	2	0	0	0	2	0	0
Acceleration Simulation Mode (ASM)	Enhanced	Gold Shield in Basic Area	50	6	2	0	2	5	0	0
Acceleration Simulation Mode (ASM)	Enhanced	Gold Shield in Enhanced Area	15,403	2,474	304	134	1,095	1,069	638	283
Acceleration Simulation Mode (ASM)	Enhanced	Government Fleet	0	105	7	0	40	51	8	0
Acceleration Simulation Mode (ASM)	Enhanced	Referee	406	431	102	169	86	253	129	219
Acceleration Simulation Mode (ASM)	Enhanced	Test and Repair	135,903	14,673	1,820	740	6,326	6,766	3,664	1,366
Acceleration Simulation Mode (ASM)	Enhanced	Test Only	358,456	63,096	12,198	3,437	15,529	41,292	19,866	6,928
Acceleration Simulation Mode (ASM)	Partial	Gold Shield in Basic Area	5	2	0	0	2	1	0	1
Acceleration Simulation Mode (ASM)	Partial	Gold Shield in Enhanced Area	2,297	521	94	24	141	335	168	57
Acceleration Simulation Mode (ASM)	Partial	Referee	27	28	6	13	10	14	7	18
Acceleration Simulation Mode (ASM)	Partial	Test and Repair	17,760	3,166	544	187	805	1,956	964	382
Acceleration Simulation Mode (ASM)	Partial	Test Only	9,596	1,677	321	111	406	1,076	489	209
Acceleration Simulation Mode (ASM)	Unknown Program	Gold Shield in Enhanced Area	1,412	233	38	23	82	127	64	45
Acceleration Simulation Mode (ASM)	Unknown Program	Government Fleet	0	77	4	0	25	48	7	0
Acceleration Simulation Mode (ASM)	Unknown Program	Referee	76	47	13	17	11	24	22	29

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	Program Areas	Station Types	Certificates Issued	Total Failed	Gross Polluters	Tampered	All OBD-II Tests	All Emission Tests	All Functional Tests	All Visual Tests
Acceleration Simulation Mode (ASM)	Unknown Program	Test and Repair	15,510	1,628	217	83	679	791	384	177
Acceleration Simulation Mode (ASM)	Unknown Program	Test Only	14,239	1,929	362	119	686	1,144	467	222
Two Speed Idle (TSI)	Basic	Gold Shield in Basic Area	6,228	1,190	291	81	254	576	475	183
Two Speed Idle (TSI)	Basic	Gold Shield in COO Area	219	34	7	6	5	24	14	8
Two Speed Idle (TSI)	Basic	Gold Shield in Enhanced Area	3,206	509	120	32	140	219	203	91
Two Speed Idle (TSI)	Basic	Government Fleet	0	6	1	1	3	1	1	1
Two Speed Idle (TSI)	Basic	Referee	58	67	12	30	12	27	37	40
Two Speed Idle (TSI)	Basic	Test and Repair	45,219	5,665	1,227	302	1,618	2,485	2,125	664
Two Speed Idle (TSI)	Basic	Test and Repair Dealer	3,807	231	35	17	77	73	66	27
Two Speed Idle (TSI)	Basic	Test Only	7,769	1,128	267	61	307	552	334	157
Two Speed Idle (TSI)	Change of Ownership	Gold Shield in Basic Area	40	11	0	2	3	3	5	4
Two Speed Idle (TSI)	Change of Ownership	Gold Shield in COO Area	2,206	397	122	31	76	238	143	58
Two Speed Idle (TSI)	Change of Ownership	Gold Shield in Enhanced Area	96	28	9	3	7	11	13	4
Two Speed Idle (TSI)	Change of Ownership	Referee	7	6	1	2	0	3	4	3
Two Speed Idle (TSI)	Change of Ownership	Test and Repair	2,019	272	84	24	85	141	79	43
Two Speed Idle (TSI)	Change of Ownership	Test and Repair Dealer	37	1	1	0	0	1	0	0
Two Speed Idle (TSI)	Change of Ownership	Test Only	890	156	38	7	43	84	46	20
Two Speed Idle (TSI)	Enhanced	Gold Shield in Basic Area	437	46	6	1	29	8	7	2
Two Speed Idle (TSI)	Enhanced	Gold Shield in COO Area	447	46	5	3	24	11	11	5
Two Speed Idle (TSI)	Enhanced	Gold Shield in Enhanced Area	2,780	288	59	22	126	118	64	40
Two Speed Idle (TSI)	Enhanced	Government Fleet	0	20	5	2	4	8	5	3
Two Speed Idle (TSI)	Enhanced	Permanent Fleet Registered	32	4	1	0	0	2	4	0
Two Speed Idle (TSI)	Enhanced	Referee	73	47	8	18	17	19	11	30
Two Speed Idle (TSI)	Enhanced	Test and Repair	22,285	1,525	213	79	800	444	334	152
Two Speed Idle (TSI)	Enhanced	Test Only	29,749	2,730	528	127	1,262	1,015	575	252
Two Speed Idle (TSI)	Partial	Gold Shield in Basic Area	54	5	0	0	4	2	0	0
Two Speed Idle (TSI)	Partial	Gold Shield in COO Area	33	5	1	0	1	2	2	0

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	Program Areas	Station Types	Certificates Issued	Total Failed	Gross Polluters	Tampered	All OBD-II Tests	All Emission Tests	All Functional Tests	All Visual Tests
Two Speed Idle (TSI)	Partial	Gold Shield in Enhanced Area	211	18	4	1	6	9	5	1
Two Speed Idle (TSI)	Partial	Referee	7	2	1	1	0	1	1	2
Two Speed Idle (TSI)	Partial	Test and Repair	1,818	173	44	8	66	74	48	14
Two Speed Idle (TSI)	Partial	Test Only	746	81	18	4	29	35	26	12
Two Speed Idle (TSI)	Unknown Program	Gold Shield in Basic Area	436	69	9	5	28	24	25	11
Two Speed Idle (TSI)	Unknown Program	Gold Shield in COO Area	1,090	137	36	12	34	71	53	20
Two Speed Idle (TSI)	Unknown Program	Gold Shield in Enhanced Area	562	60	11	2	30	19	19	8
Two Speed Idle (TSI)	Unknown Program	Government Fleet	0	9	2	0	5	4	1	0
Two Speed Idle (TSI)	Unknown Program	Referee	43	24	8	3	3	17	5	16
Two Speed Idle (TSI)	Unknown Program	Test and Repair	6,397	537	84	26	252	170	121	54
Two Speed Idle (TSI)	Unknown Program	Test and Repair Dealer	515	23	3	2	15	6	4	3
Two Speed Idle (TSI)	Unknown Program	Test Only	3,350	206	32	10	108	62	36	21
UnKnown TestType	Basic	Referee	2	2	0	0	0	2	0	1
UnKnown TestType	Enhanced	Referee	16	16	0	0	0	16	0	15
UnKnown TestType	Unknown Program	Referee	29	29	0	0	0	29	0	29

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